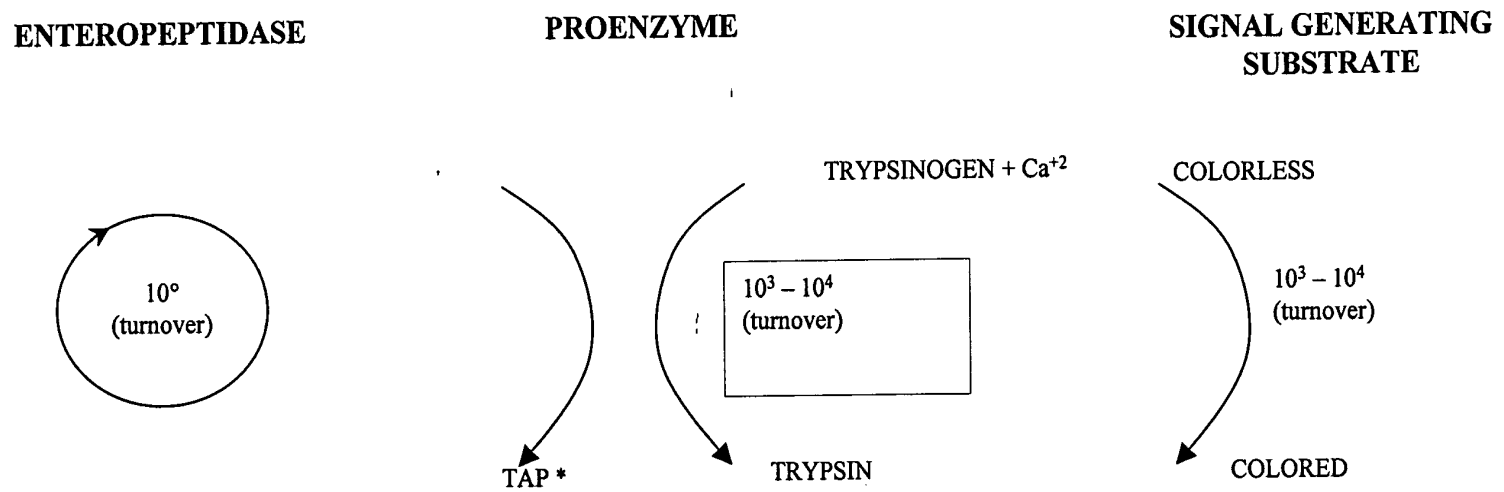

FIG. 1

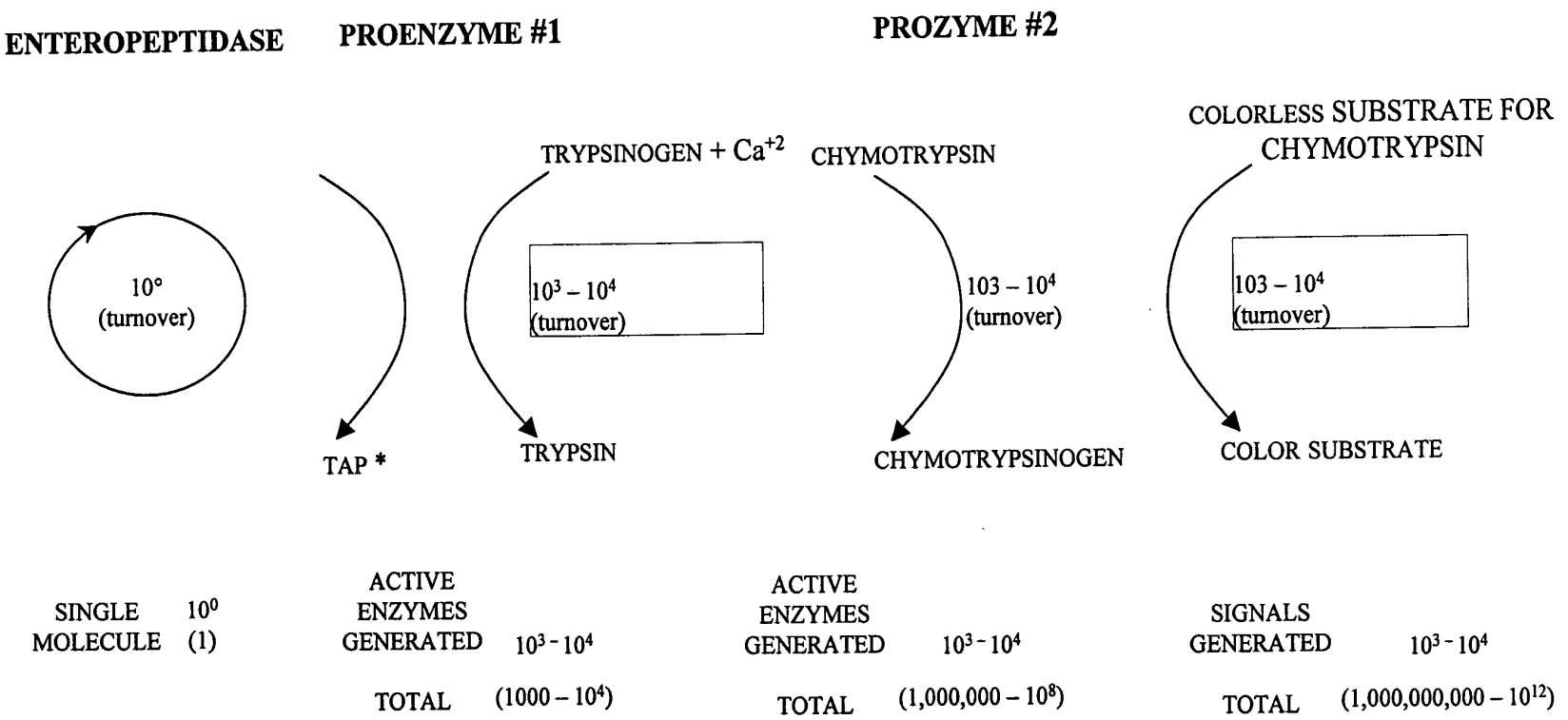

FIG. 2

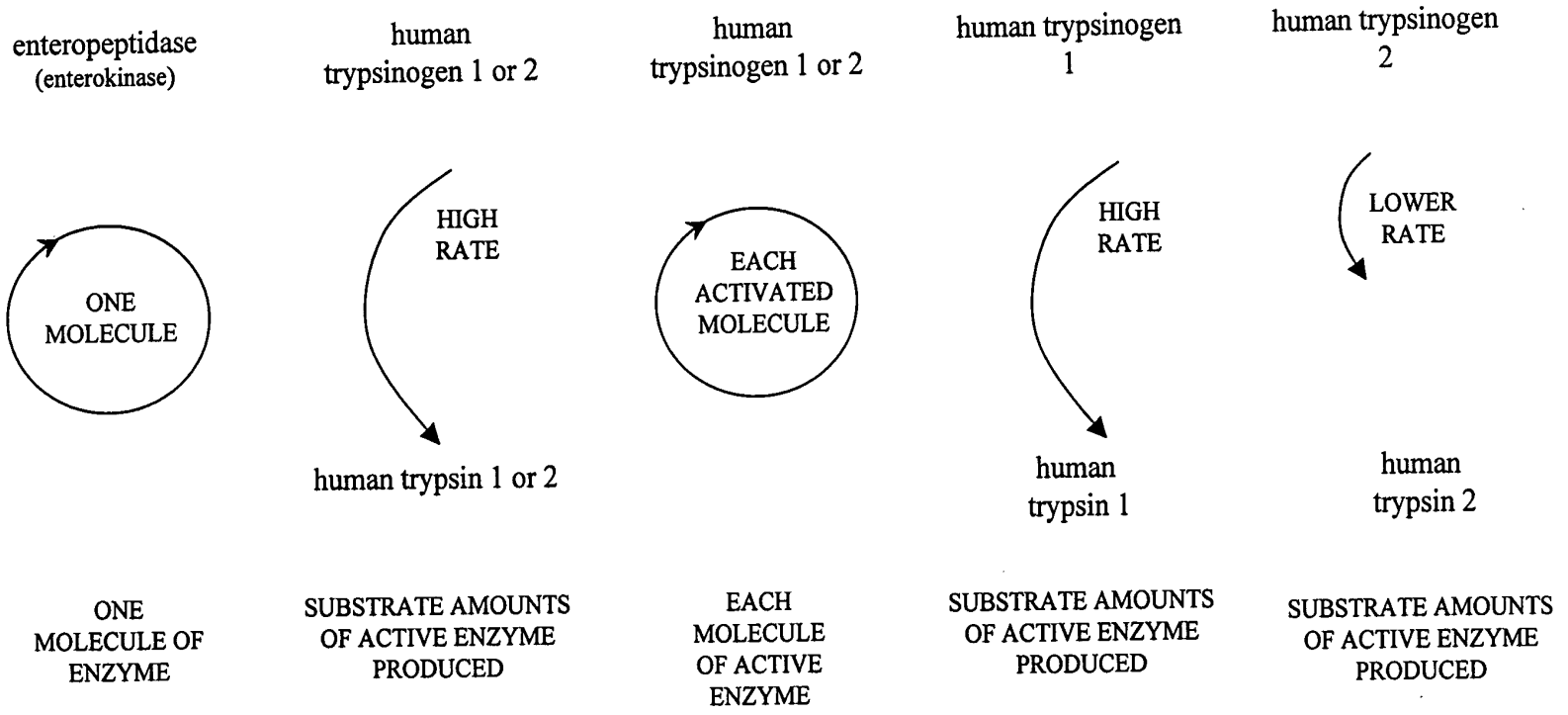

FIG. 3

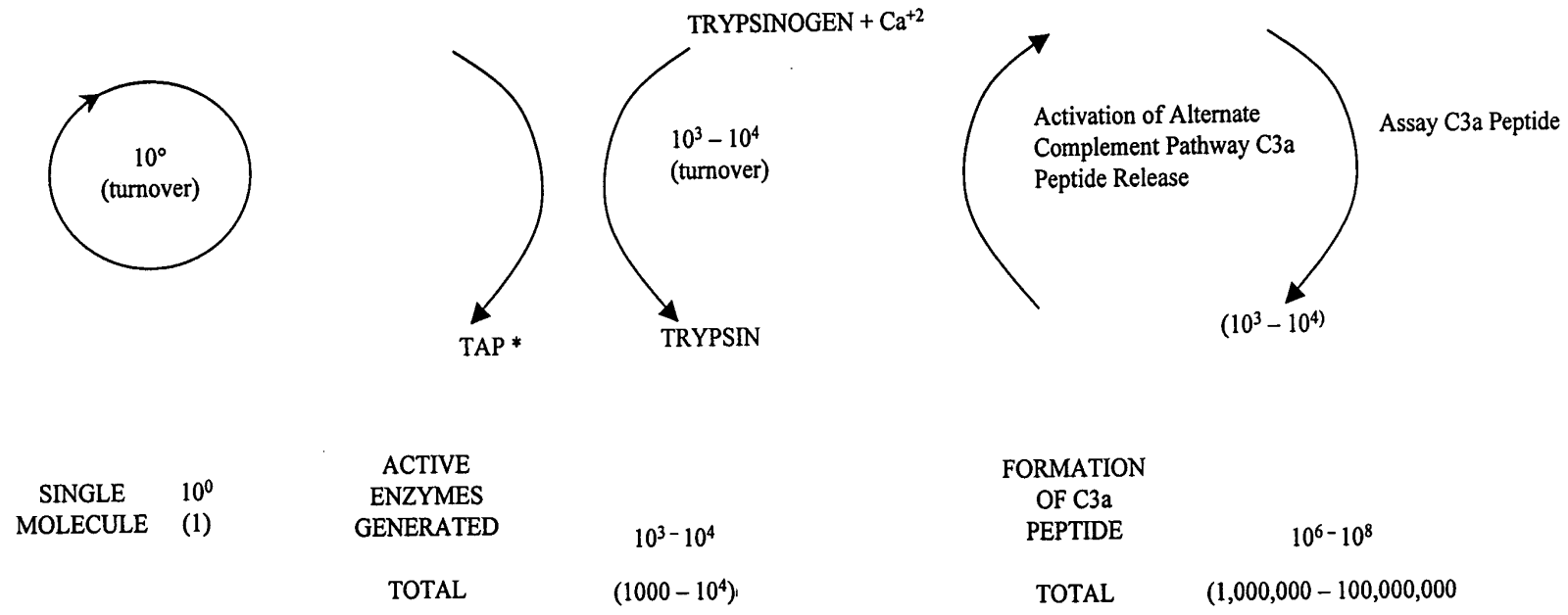

FIG. 4

	SIGNAL ACTIVATION MOLECULE AND FUNCTION	Index of Target Analyte Presence
CMSA Complement Cascade	•Antibody to antigen in the Classic Complement pathway •Polysaccharide, etc. in the Alternate Complement Pathway •Both activate Complement	C3a Peptide Production/Quantification
ZMSA CC Clotting Cascade	•Kallerkrein Plasma Proteinase activating Hageman Factor (Factor XII) enhanced with Kinogen activate clotting	Opacity Clot Retraction
ZMSA-PCC Procollagen Conversion	•Serum Protease activating neutral Protease (zymogen) catalyzing Procollagen-> Collagen Conversion	Opacity
ZMSA-PIC Proinsulin Conversion	•Serine Protease activating Endopeptidase PC2 or PC3 (zymogen) activating Insulin with release of C Peptide	C Peptide Production/Quantification
ZMSA PTC Prothrombin Conversion	•Serine Protease activating Prothrombin (zymogen) to Thrombin converts Fibrinogen to Fibrin	Opacity

FIG. 5

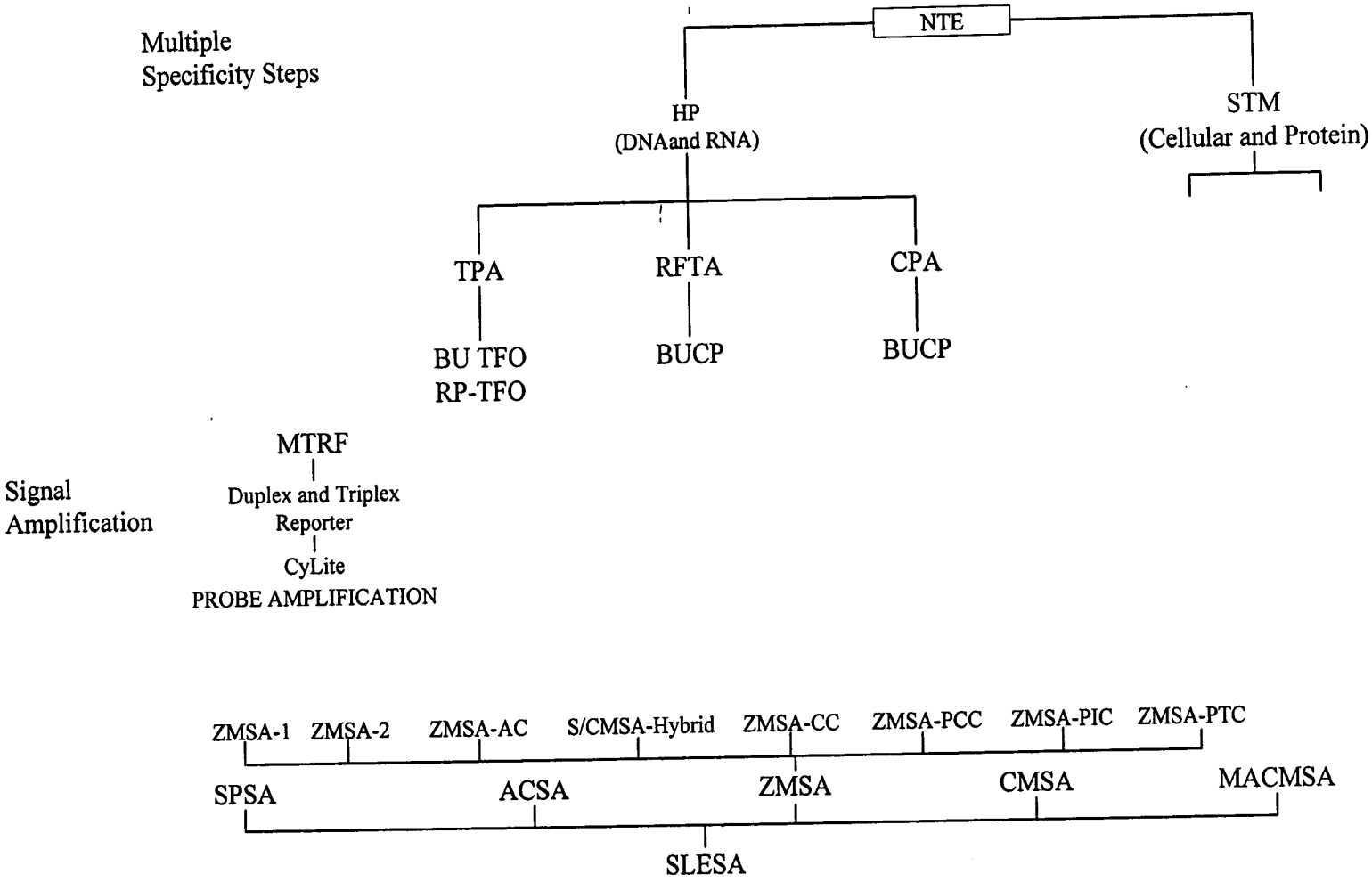

FIG. 6

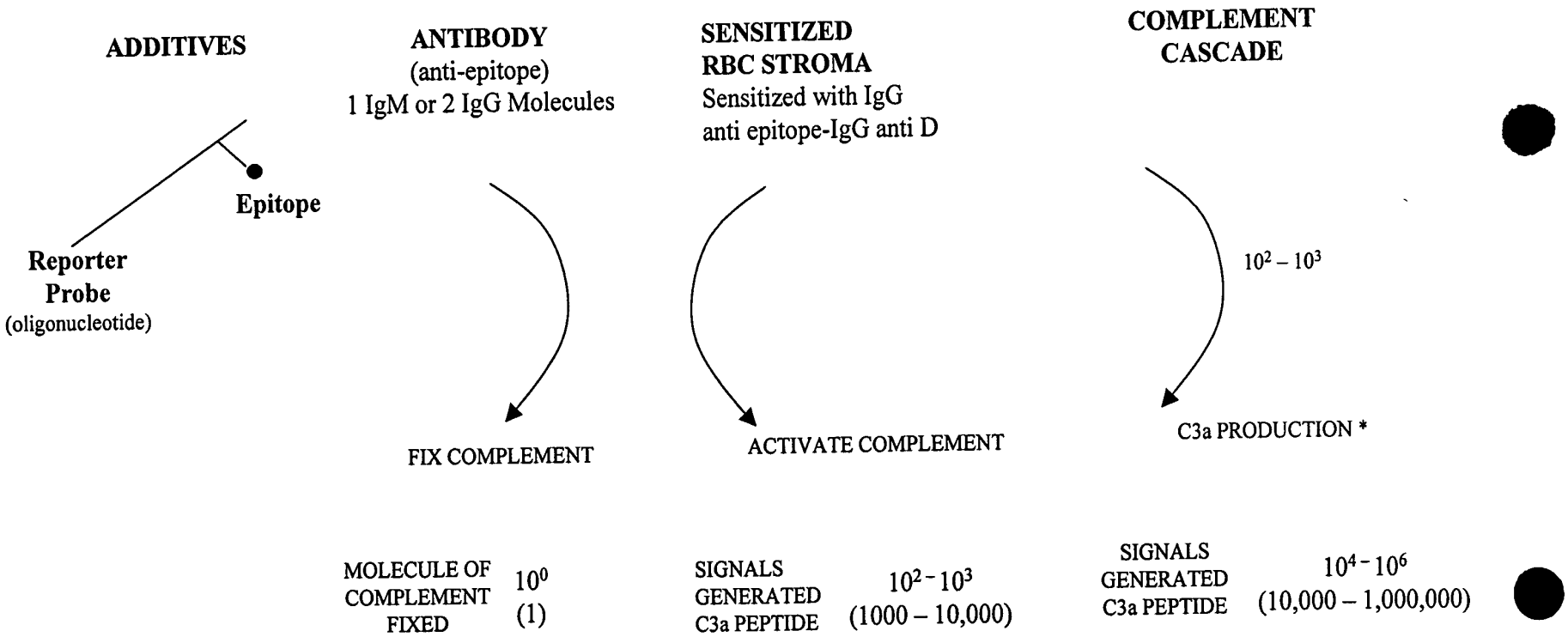

FIG. 7

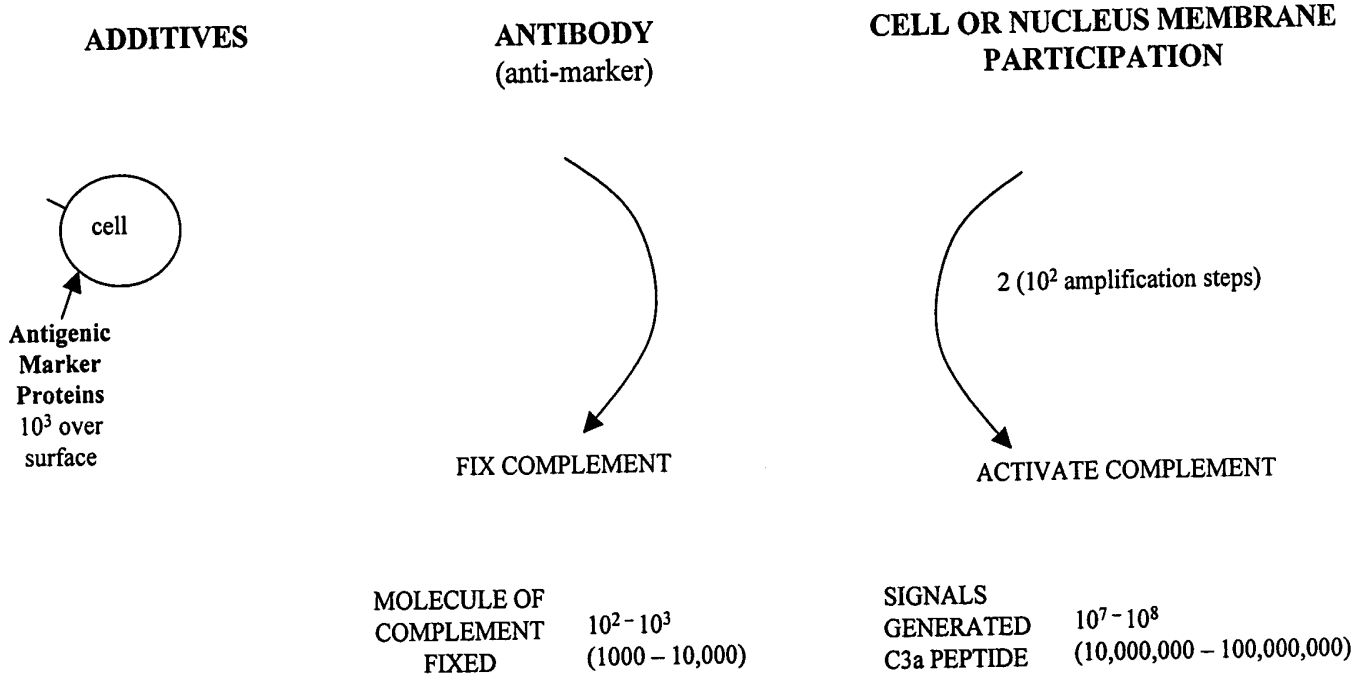

FIG. 8

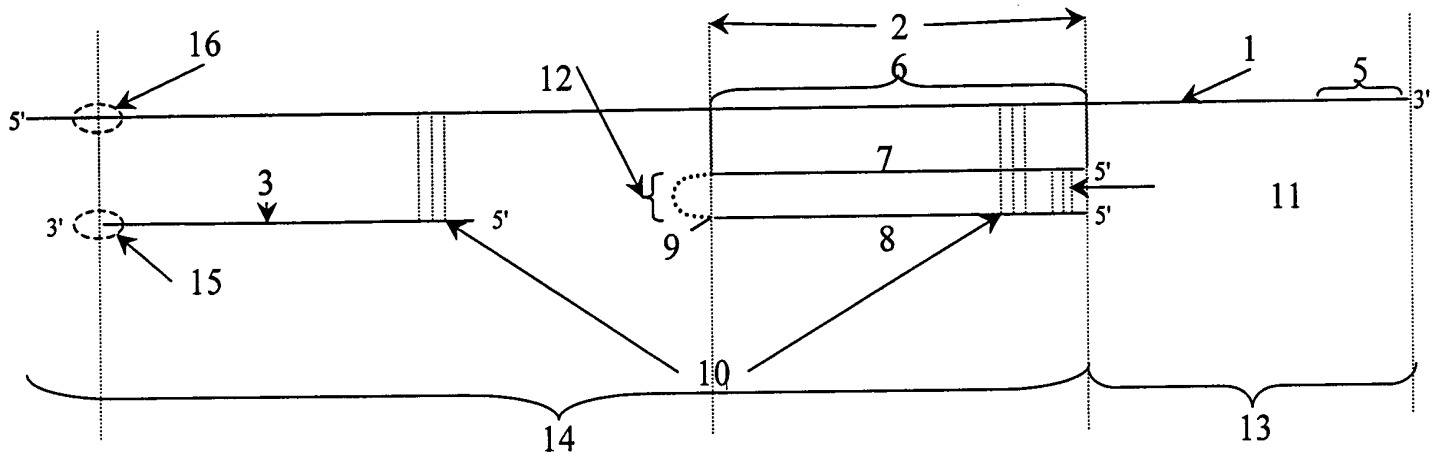

FIG. 9